### OVERSIGHT SAMPLING PLAN

FOR

BTR SEALING SYSTEMS, INC.
3200 MAIN STREET
KEOKUK, IOWA
EPA RCRA ID # IAD005136123

Approvals:

Ernest Arnold

Environmental Engineer/Project Manager Brian Mitchell

EPA Region VII Quality Assurance Manager

R00056533 RCRA Records Center Representatives of United Technologies will be collecting samples to determine the amount and extent of contamination at the BTR Sealing Systems Facility [Former owned and operated by United Technologies]. Such samples will be analyzed by representatives of United Technologies. In order to verify the validity of the sampling results obtained by United Technologies' representatives, representatives of EPA will be provided split/oversight samples by representatives of United Technologies. These split/oversight samples will be delivered by representatives of EPA to the EPA Region VII Lab for in-house analysis or assignment to a contractor laboratory for analysis.

Attachment I describes the parameters and analytical requirements for the split/oversight sampling activities and other pertinent information. Sample containerization, labeling, and preservation procedures, for split/oversight samples, will be conducted per EPA Region VII Standard Operating Procedures (SOPs) numbers 2130.3A, 2130.4A, and 2130.5A while the chain-of-custody and sample transport procedures will be conducted per SOP number 2130.2A.

The analytical methods, laboratory quality control, and data validation will follow the approved operating procedures of the assigned laboratory.

A completed Analytical Services Request Form is attached, Attachment II. A completed Sampling Supplies Request Form is also attached, Attachment III.

Attachments

# ATTACHMENT I

### Sample Summary Table

Sample Location	# of Samples	Matrix Type	Constituents	Analytical Method	Container Per Sample	Preservatives/ Holding times
Soils west of the chemical storage building	6 [4 samples, 1 duplicate sample, and 1 trip blank sample]	soil	Report on all constituents listed in the analytical method	SW-846 8260 SW-846 6010	4 oz. glass jar 8 oz. glass jar	Cool to 4 degrees centigrade/14 days  Cool to 4 degrees centigrade/6 months
	, -			SW-846 8270	8 oz. glass jar	Cool to 4 degrees centigrade/7 days
Sampling of monitoring wells	20 [18 samples, and 2 duplicate samples]	groundwater	Report on all constituents listed in the analytical method	SW-846 8260	2 40 ml vials, 1 charcoal thimble, 1 liter plastic cubitainer	2 ml of HCl and cool to 4 degrees centigrade/14 days
				SW-846 6010	1 liter plastic cubitainer	5 ml of nitric acid and cool to 4 degrees centigrade/6 months

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	Activity	No.:	Date:	11/1/96				
	Site Name, City, & State: BTR Sealing Systems, Keckuk, Iowa EPA Project Manager: Brian Mitchell							
	-Section/	Branch:	0.: 913-551-7633					
	Contract	or Contac	et: Jim Caldwell	No . 210-359-262				
	Contract	or: U	Delivery Date: 21/20/96	No.: 319-358-367				
	Funding	u sampie Program F	Element:					
	•==			•				
	Request Sur	mmary:						
	No. of			Group/Parameter				
	Samples	Matrix	Group/Parameter Name	MGP Code				
inp )	6	Soil	metal s	sm .				
(P)			volatiles	SY ,				
			semi uclatiles	SS ,				
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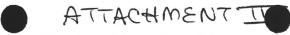
### Levels Of Interest

(Use Additional Copies Of This Form As Needed)

Page 2 of 2

Activity No.: \_\_\_\_\_ site Name: BTR Sealing Systems

Individual Parameter/ Parameter Group	Matrix	Concentration Level of Interest	Units
AgiAs, Ba, Be, Cd, Co, Cr, Mn, Mo, Ni, PD, 3b, Se, Ti, Th, Va, Zn	5011	10	mglkg
Cu, Fe, Ca, Mg, Na, K	soil	100	malkg
Ag, As, Ba, Be, Cd, Co, Cr, Cu, Mn, Mo, No.	water	20	09/2
Fe, Se, Th Both 1966	water	1000	vole
Pb; Sb	water	30	4912
Ca, Mg, Na, K	water	10	mg/2
volatiles	soil	30	ug/Kg
volatiles	water	1	U9/2
5501 - 5517, 55119-5533, 5535, 5537-5543, 5545-5555, 5557-5566	soil	300	U9/K9
55 18,5536	soil	600	491 Kg
5534,5556	soil	1000	vg \Kg
55 44	50:1	3000	~9 <b>1 X</b> 9
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### USEPA Region VII Sampling Supplies Request (SSR) Form

Activity No.: Site Name: BTR Sealing Systems	
Contact Name: Brian MitchellTelephone No.: 913-551-7633	
Date Equipment to be Picked Up:	
Item Description	Amount Needed
Sample Containers: 4-oz. (100 ml) Plastic Bottle	
1-Liter Plastic Cubitainer	25
4-Liter Plastic Cubitainer	
8-Liter Plastic Cubitainer	
20-Liter Plastic Cubitainer	75
40-ml Glass Vials (Routine - 2 ea in 1-1 cubie with charcoal thimble)	
8-oz. (250 ml) Wide Mouth Glass Jar	20
32-oz.(1 Liter) Wide Mouth Glass Jar	_
8-oz. (250 ml) Amber Glass Bottle	
80-oz. (2.5 Liter) Amber Glass Bottle	
4-Liter Amber Glass Bottle	
Sampling Supplies:	2
Sampling Spoons	2
Aluminum Pans	
1-qt. (1 Liter) Metal Paint Can (with Vermiculite®)	
1-gal. (4 Liter) metal Paint Can (with vermittalities)	
Other: 4 02 glass jars (widenouth)	9 10
Preservatives: (return preservative containers to the laboratory)  HCl (1:1)	×
HOI (1:1)	X
$H_2SO_4$ (Concentrated)	
NaOH (Pellets)	_
Other:	
Shipping Supplies:	_
Large Plastic Bags (ice chest liner)	
Ice Chests	
Fiber Tape (by roll)	-8
Custody-Seal Tape (by piece, not roll)	
Chain-Of-Custody Forms	
Storage Bags for Chain-Of-Custody Forms	
Packing Foam	
Quality Control Samples:	_
Water Trip Blanks (VOA only)	
Soil Trip Blanks (VOA only)	
Performance Evaluation (PE) Samples:	
	Desired
No. of PE Co	ncentration
Samples Matrix Target Analytes	Range
Revised February 1993)	
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